

# Claims

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1. In a communication system, a method for blocking call request comprising:

receiving an initial call request block probability;

4 determining an elapsed time from an effective time of said initial call request block probability;

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adjusting said initial call request block probability based on said elapsed time.

2. The method as recited in claim 1 wherein said adjusting includes decreasing said initial call request block probability.

3. The method as recited in claim 1 further comprising:  
2 using said adjusted initial call request to block call request at a mobile station in said communication system.

4. The method as recited in claim 1 further comprising:  
2 receiving a time stamp associated with said initial call request block probability;

4 using said time stamp for determining said elapsed time.

5. The method as recited in claim 1 further comprising:

receiving an effective call request block termination time;

terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination time.

6. The method as recited in claim 1 wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request block probability.

7. The method as recited in claim 1 further comprising:

receiving a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value.

8. In a communication system, an apparatus comprising:

a receiver configured for receiving an initial call request block probability;

a processor configured for determining an elapsed time from an effective time of said initial call request block probability, and adjusting said initial call request block probability based on said elapsed time.

9. The apparatus as recited in claim 8 wherein said processor further configured for using said adjusted initial call request to block call request at a mobile station in said communication system.

10. The apparatus as recited in claim 8 wherein said receiver further configured for receiving a time stamp associated with said initial call request block probability, and said processor further configured for using said time stamp for determining said elapsed time.

11. The apparatus as recited in claim 8 wherein said receiver further configured for receiving an effective call request block termination time, and said processor further configured for terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination time.

12. The apparatus as recited in claim 8 wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request block probability.

13. The apparatus as recited in claim 8 wherein said receiver further configured for receiving a time period value, wherein said adjusting occurs

at least once during a time period substantially equal to said time period value.

14. A communication system comprising:

a mobile station configured for receiving an initial call request block probability from a base station, determining an elapsed time from an effective time of said initial call request block probability, and adjusting said initial call request block probability based on said elapsed time.

15. The communication system as recited in claim 14 wherein said mobile station is further configured for using said adjusted initial call request to block call request.

16. The communication system as recited in claim 14 wherein said mobile station is further configured for receiving, from said base station, a time stamp associated with said initial call request block probability, and using said time stamp for determining said elapsed time.

17. The communication system as recited in claim 14 wherein said mobile station is further configured for receiving, from said base station, an effective call request block termination time, and terminating a call request block performed based on said adjusted initial call request block

6 probability in a gradual process from said effective call request block  
A1 termination time.

2 18. The communication system as recited in claim 14 wherein said  
4 mobile station is further configured for receiving, from said base station, a  
time period value, wherein said adjusting occurs at least once during a  
time period substantially equal to said time period value.

2 19. A mobile station comprising:  
4 a receiver configured for receiving an initial call request block probability;  
a processor configured for determining an elapsed time from an effective  
time of said initial call request block probability, and adjusting said initial  
call request block probability based on said elapsed time.

2 20. The apparatus as recited in claim 19 wherein said processor further  
configured for using said adjusted initial call request to block or unblock a  
call request at said mobile station.